

Dr. Duke's Phytochemical and Ethnobotanical Database

List of Plants for RESIN

Plant	Part	Low PPM	High PPM	StdDev	Reference
Abelmoschus moschatus	Seed	--	65000	-0.4413089361281032	Wealth of India.
Abies balsamea	Gum	--	--		--
Acalypha indica	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Achillea millefolium	Plant	6000	6000	-0.8622069963910537	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Acorus calamus	Plant	--	--		--
Acorus calamus	Rhizome	--	25000	-1.3821894809301767	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Actaea racemosa	Root	--	--		--
Agathosma betulina	Leaf	50000	50000	-0.27511406022450346	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Aloe vera	Plant	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Alpinia galanga	Rhizome	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Anaphalis margaritacea	Plant	--	--		--
Andira inermis	Bark	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Anemone pulsatilla	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Annona muricata	Plant	--	--		--
Annona squamosa	Plant	--	--		--
Apocynum cannabinum	Plant	--	--		--
Areca catechu	Seed	--	--		--
Argemone mexicana	Plant	17500	17500	-0.7908535804151542	--
Arundo donax	Stem	--	--		--
Azadirachta indica	Seed	--	--		--
Baptisia tinctoria	Plant	--	--		--
Barosma betulina	Leaf	50000	50000	-0.27511406022450346	--
Berberis vulgaris	Plant	--	--		--
Borago officinalis	Plant	--	--		--
Boswellia sacra	Latex Exudate	600000	700000	0.898643077437173	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Bursera delpechiana	Wood	--	--		--
Bursera simaruba	Plant	--	--		--
Calendula officinalis	Flower	34000	34000		--
Canarium indicum	Gum	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Carica papaya	Latex Exudate	28000	28000	-1.5290479699508885	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Catharanthus roseus	Root Bark	20000	20000		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Caulophyllum thalictroides	Root	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ceiba pentandra	Leaf	--	--		--
Centella asiatica	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Chamaesyce hypericifolia	Plant	--	--		--
Chimaphila umbellata	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Cimicifuga racemosa	Root	--	--		--
Cinchona spp	Bark	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Commiphora myrrha	Resin, Exudate, Sap	200000	400000		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Copaifera spp	Gum	60000	540000	-1	--
Coriaria myrtifolia	Leaf	--	--		--
Cornus florida	Bark	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Croton eluteria	Bark	150000	150000	1.5611825290618342	--
Croton lechleri	Plant	--	--		Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
Croton tiglium	Seed	10000	34000	-1.0927649846981604	--
Cryptostegia grandifolia	Seed	175000	175000	1.8703093007333897	--
Cuminum cyminum	Fruit	--	--		--
Cuminum cyminum	Seed	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Curcuma longa	Rhizome	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Curcuma zedoaria	Rhizome	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Cyperus rotundus	Root	42100	42100	0.6735167045095913	--
Daemonorops draco	Fruit	--	--		--
Dodonaea viscosa	Leaf	66400	66400	0.5279697013369913	--
Echinacea purpurea	Root	5020	20000	-1.1686515095574843	--
Eleutherococcus senticosus	Root	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ephedra nevadensis	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eriodictyon californicum	Leaf	8800	80000	1.1939416011684747	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Eucommia ulmoides</i>	Bark	70000	70000	0.15391940427370196	Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Eupatorium perfoliatum</i>	Plant	--	--		--
<i>Euphorbia hirta</i>	Plant	--	--		--
<i>Euphorbia tirucalli</i>	Latex Exudate	--	--		--
<i>Ferula assa-foetida</i>	Plant	400000	640000	3.071537849584625	Tucker, A. O. and Debaggio, T. 2000. The Big Book of Herbs. Interweave Press, Inc. Loveland, CO. 688 pp.
<i>Ferula sumbul</i>	Plant	170000	170000	0.15535476187394828	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Ficus carica</i>	Leaf	--	22000	-1.6462326775246163	Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
<i>Frangula purshiana</i>	Plant	--	--		--
<i>Garcinia hanburyi</i>	Plant	--	--		--
<i>Geranium maculatum</i>	Plant	--	--		--
<i>Glechoma hederacea</i>	Plant	--	--		Jim Duke's personal files.
<i>Glycyrrhiza glabra</i>	Plant	--	--		--
<i>Grindelia squarrosa</i>	Plant	200000	200000	0.341494107898034	--
<i>Guaiacum sp.</i>	Wood	200000	200000	1.3151310801121845	--
<i>Guarea rusbyi</i>	Bark	23000	23000	-0.6728476815393257	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Haematoxylum campechianum	Wood	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Hedera helix	Plant	--	--		--
Hemidesmus indicus	Root	--	--		--
Hibiscus sabdariffa	Calyx	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Holarrhena pubescens	Bark	2000	2000	-1.0422542517962106	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Hydrangea arborescens	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Hydrastis canadensis	Root	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Hyoscyamus niger	Seed	--	--		--
Hyssopus officinalis	Plant	--	--		--
Ilex paraguariensis	Leaf	48000	48000	-0.37305110431736865	--
Inula helenium	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ipomoea purga	Tuber	100000	200000		--
Iris versicolor	Rhizome	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Iris x germanica	Rhizome	--	--		--
Jasminum officinale	Leaf	--	--		--
Juniperus communis	Fruit	80000	100000	0.5011700816956098	--
Lactuca scariola	Latex Exudate	--	--		--
Lagochilus inebrians	Plant	30000	90000	-0.34101682752361356	--
Larrea tridentata	Plant	49350	200000	0.341494107898034	--
Lawsonia inermis	Leaf	20000	30000	-1.2544845011531556	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Leonotis leonurus	Plant	198000	198000	0.329084818163095	--
Leonurus cardiaca	Plant	--	--		--
Levisticum officinale	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ligustrum vulgare	Bark	--	--		--
Lindera benzoin	Plant	--	--		--
Lobelia inflata	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lycopus europeus	Plant	29000	29000	-0.7195001644392546	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Maclura pomifera	Fruit	166640	216900	2.002753572944224	Smith, J. L. and Perino, J. V. 1981. Osage Orange (<i>Maclura pomifera</i>): History and Economic Uses. <i>Economic Botany</i> 35(1): 24-41
Mahonia aquifolium	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Manilkara zapota	Latex Exudate	380000	380000	-0.25740027846190383	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Marrubium vulgare	Plant	--	--		--
Melia azedarach	Plant	--	--		--
Mentha arvensis var. piperascens	Plant	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Mirabilis jalapa	Root	30000	30000	-0.3350912316990789	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Myrica cerifera	Bark	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Myroxylon balsamum	Gum	--	--		--
Myrtus communis	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Nigella sativa	Seed	--	--		--
Oenanthe aquatica	Fruit	40000	40000	-0.26953145359024877	--
Oenothera biennis	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ononis spinosa	Plant	--	--		--
Opopanax chironium	Hh	--	190000		--
Opopanax chironium	Plant	190000	190000	0.2794476592233388	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Panax quinquefolius	Plant	--	--		--
Paullinia cupana	Seed	70000	70000	-0.33623537990712626	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Peucedanum ostruthium	Plant	--	--		--
Peumus boldus	Plant	--	--		--
Peumus boldus	Leaf	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Physalis alkekengi	Fruit	2000	2000	-0.757642425937959	--
Physalis peruviana	Fruit	2000	2000	-0.757642425937959	--
Phytolacca americana	Root	--	--		--
Piper angustifolium	Leaf	--	--		--
Piper methysticum	Root	--	53000	1.582097407375253	Madaus, G. 1976. Lehrbuch der Biologischen Hilfsmittel. Vol., 1-3. 2862 pp. (+ 144 p. index). Georg Olms Verlag, Hildesheim. Reprint of 1938 Madaus.
Piper nigrum	Fruit	5000	5000	-0.7191073491736661	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Pistacia vera	Plant	--	--		--
Plantago major	Plant	--	--		--
Podophyllum hexandrum	Leaf	78000	97000	2.026406475957829	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Podophyllum hexandrum	Rhizome	60000	200000	0.4319342127906797	--
Podophyllum peltatum	Plant	30000	60000	-0.5271561735476993	--
Polygala tenuifolia	Root	--	--		--
Polypodium vulgare	Rhizome	--	--		--
Populus nigra	Plant	--	--		--
Portulaca oleracea	Plant	24000	24000	-0.7505233887766023	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Prunella vulgaris	Plant	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Prunus serotina	Stem Bark	--	--		--
Psoralea corylifolia	Seed	86000	86000	0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pterocarpus marsupium	Wood	--	9000	-1.1079239324417767	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Quercus alba	Bark	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Quercus robur	Bark	--	--		--
Rheum officinale	Root	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Robinia pseudoacacia	Bark	--	--		--
Rosa centifolia	Flower	--	--		--
Rosa gallica	Flower	--	--		--
Rumex hymenosepalus	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ruscus aculeatus	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Salix alba	Bark	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Salvia officinalis	Plant	50000	60000	-0.5271561735476993	--
Sambucus canadensis	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Sambucus nigra	Leaf	43400	43400	-0.5983063057309587	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sanguinaria canadensis	Plant	--	--		--
Sanguisorba minor	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Santalum album	Wood	50000	80000	-0.2072071476704087	--
Santolina chamaecyparissus	Plant	--	--		--
Sassafras albidum	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Satureja hortensis	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Schinus terebinthifolius	Bark	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Scutellaria churchilliana	Plant	--	--		--
Scutellaria lateriflora	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Senecio aureus	Plant	--	--		--
Simarouba amara	Bark	--	--		--
Smilax china	Root	--	--		--
Smilax spp	Root	--	25000	-0.7518713706282815	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Stillingia sylvatica	Plant	--	--		--
Styrax benzoin	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Styrax tonkinensis</i>	Gum	700000	800000	1	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Swertia chirata</i>	Plant	--	--		--
<i>Symphytum officinale</i>	Root	--	--		--
<i>Symplocarpus foetidus</i>	Plant	--	--		--
<i>Syzygium aromaticum</i>	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Taraxacum officinale</i>	Root	--	--		--
<i>Teucrium marum</i>	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Thevetia peruviana</i>	Latex Exudate	674000	697000	0.8878051709756192	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Thuja occidentalis</i>	Branches	--	--		--
<i>Thymus vulgaris</i>	Plant	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Trifolium pratense</i>	Plant	--	--		--
<i>Turnera diffusa</i>	Branches	65000	65000		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Turnera diffusa</i>	Leaf	13650	65000	0.45941377047198567	--

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Valeriana officinalis	Root	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Vanilla planifolia	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Veratrum album	Rhizome	250000	250000	0.9502552681394958	--
Veronica officinalis	Plant	--	--		--
Viburnum prunifolium	Root Bark	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Viscum album	Plant	--	--		--
Xylophia aethiopica	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Zanthoxylum americanum	Plant	--	--		--
Zea mays	Silk Stigma Style	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Zizyphus jujuba	Leaf	60000	60000	0.21457116023982262	--